

**GETTING STARTED
WITH
TAKING DECISIONS**

THE “CASE-ESAC” STATEMENT:

SYNTAX: **case** expression **in**
 pattern1)
 statements ;;
 pattern2)
 statements ;;
 esac

➤ **EXAMPLES OF TAKING DECISIONS:**

1. Write a script copying from one file to another:

```
$vim demo1.sh  
#!/bin/sh  
#Example of Copying using if then fi statement  
#Author: Raju  
echo enter source and target file names  
read source target  
if cp $source $target  
then  
echo "File copied Successfully"  
fi
```

2. Write a script copying from one file to another:

```
$vim demo2.sh  
#!/bin/sh  
#Example of copying file one to another  
echo Enter source and target file names  
read source target  
if cp $source $target  
then  
echo "File copied Successfully"  
else  
echo "Failed to copy the file"  
fi
```

3. Write a script given number is even or odd:

```
$vim demo3.sh
#!/bin/sh
echo -n "Enter a number"
read n
if [ `expr $n%2` -eq 0 ]
then
echo "$n is an Even number"
else
echo "$n is an Odd number"
fi
```

4. Write a script the given two strings are equal / not:

```
$vim demo4.sh
#!/bin/sh
echo -n "Enter a string1:"
read string1
echo -n "Enter a string2:"
read string2
if [ "$string1" = "$string2" ]
then
echo "Strings are equal"
else
echo "strings are not equal"
fi
```

5. Write a program accept and delete a given file:

```
$vim demo5.sh
#!/bin/sh
echo -n "Enter a file name:"
read fname
if rm -i $fname
then
echo "$fname file is deleted"
else
echo "No such file"
fi
```

6. Write a program accept a user and check the user is exist or not:

\$vim demo6.sh

```
#!/bin/sh
echo -n "Enter a username:"
read $uname
if grep -w $uname /etc/passwd >/dev/null
then
echo "$uname user exist"
else
echo "$uname user doesn't exist"
fi
```

7. Example of case-esac statement

\$vim demo7.sh

```
#!/bin/sh
#Example of case-esac statement
echo "Enter a character:\c"
read var
case $var in
[a-z])
echo "You entered a lower case Alphabet."
;;
[A-Z])
echo "You entered a upper case Alphabet."
;;
[0-9])
echo "You entered a Digit."
;;
?)
echo "You entered a special Symbol."
;;
*)
echo "You entered more than one Character."
;;
esac
```

8. Another Example of case-esac:

```
$vim demo8.sh
#!/bin/sh
echo "Enter a word:"
read word
case $word in
[aeiou]* | [AEIOU]*)
echo "The word begins with a Vowel."
;;
[0-9]*)
echo "The word begins a Digit."
;;
*[0-9])
echo "The word ends with a Digit."
;;
???)
echo "You entered a three-letter word."
;;
*)
echo "I don't know what you have entered."
;;
esac
```